

[illegible]

RPC  
Tal

[illegible]

```

LL          IIIIII          SSSSSSSS
LL          IIIIII          SSSSSSSS
LL          II             SS
LL          II             SS
LL          II             SS
LL          II             SS
LL          II             SSSSSS
LL          II             SSSSSS
LL          II             SS
LL          II             SS
LL          II             SS
LL          II             SS
LLLLLLLLLLLL IIIIII          SSSSSSSS
LLLLLLLLLLLL IIIIII          SSSSSSSS

```



```
0001 0 MODULE RPG$UPDATE( %TITLE 'Support UDATE, UDAY, UMONTH, UYEAR special words'
0002 0 IDENT = '1-002' ! file: RPGUPDATE.B32 EDIT:DG1002
0003 0 ) =
0004 1 BEGIN
0005 1
0006 1 *****
0007 1 *
0008 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
0009 1 * DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.
0010 1 * ALL RIGHTS RESERVED.
0011 1 *
0012 1 * THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED
0013 1 * ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE
0014 1 * INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER
0015 1 * COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY
0016 1 * OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY
0017 1 * TRANSFERRED.
0018 1 *
0019 1 * THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE
0020 1 * AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT
0021 1 * CORPORATION.
0022 1 *
0023 1 * DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
0024 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0025 1 *
0026 1 *
0027 1 *****
0028 1
0029 1
0030 1
0031 1 ++
0032 1 FACILITY:      RPGII SUPPORT
0033 1
0034 1 ABSTRACT
0035 1
0036 1      This routine supports the RPG UDATE, UDAY, UMONTH and UYEAR
0037 1      special words.
0038 1
0039 1
0040 1 ENVIRONMENT:  Vax-11 User Mode
0041 1
0042 1 AUTHOR: Debess Grabazs, CREATION DATE: 25-JAN-1983
0043 1
0044 1 MODIFIED BY:
0045 1
0046 1      1-001 - Original. DG 25-JAN-1983
0047 1      1-002 - Take out %ASCID - was making code unsharable. DG 11-Jul-1983
0048 1      --
0049 1
0050 1 !<BLF/PAGE>
```



```
52 0051 1 %SBTTL 'Declarations'
53 0052 1 | +
54 0053 1 | PROLOGUE FILE:
55 0054 1 | -
56 0055 1
57 0056 1 REQUIRE 'RTLIN:RPGPROLOG';
58 0121 1 | Switches, PSECTs, macros,
59 0122 1 | linkages and LIBRARYs
60 0123 1 | +
61 0124 1 | LINKAGES
62 0125 1 | NONE
63 0126 1 | -
64 0127 1
65 0128 1 | +
66 0129 1 | TABLE OF CONTENTS:
67 0130 1 | -
68 0131 1
69 0132 1 FORWARD ROUTINE
70 0133 1 RPG$UPDATE : NOVALUE ;
71 0134 1
72 0135 1 | +
73 0136 1 | INCLUDE FILES
74 0137 1 | NONE
75 0138 1 | -
76 0139 1
77 0140 1 | +
78 0141 1 | MACROS
79 0142 1 | NONE
80 0143 1 | -
81 0144 1
82 0145 1 | +
83 0146 1 | EQUATED SYMBOLS
84 0147 1 | NONE
85 0148 1 | -
86 0149 1
87 0150 1 | +
88 0151 1 | EXTERNAL REFERENCES
89 0152 1 | -
90 0153 1
91 0154 1 EXTERNAL ROUTINE
92 0155 1 COB$ACC DATE,
93 0156 1 LIB$STOP,
94 0157 1 STR$UPCASE;
95 0158 1
96 0159 1 EXTERNAL LITERAL
97 0160 1 RPG$_FATINTERR,
98 0161 1 RPG$_INVUDATE;
```

```
! Get the current date
! Stop execution via signalling
! Convert string to upper case
```

```
! Fatal internal error
! Incorrectly specified date
```



```

: 100 0162 1 %SBTTL 'RPG$UPDATE - Support UDATE, UDAY, UMONTH, UYEAR special words'
: 101 0163 1 GLOBAL ROUTINE RPG$UPDATE(
: 102 0164 1 DAY,                                ! Current day
: 103 0165 1 MONTH,                            ! Current month
: 104 0166 1 YEAR                             ! Current year
: 105 0167 1 ): NOVALUE=
: 106 0168 1
: 107 0169 1
: 108 0170 1 ++
: 109 0171 1
: 110 0172 1 FUNCTIONAL DESCRIPTION
: 111 0173 1
: 112 0174 1 This routine translates the logical name RPG$UPDATE. If
: 113 0175 1 the logical translates, the date specified in the logical
: 114 0176 1 name is used; otherwise the current system date is used.
: 115 0177 1 The format of the date in RPG$UPDATE is dd-mmm-yyyy.
: 116 0178 1 Two character strings representing the day, numeric month
: 117 0179 1 and last two digits of the year are moved into the appropriate
: 118 0180 1 return parameters.
: 119 0181 1 This routine is called when an RPGII program has any of the
: 120 0182 1 special words UDATE, UDAY, UMONTH, or UYEAR in it.
: 121 0183 1
: 122 0184 1 CALLING SEQUENCE:
: 123 0185 1
: 124 0186 1 CALL RPG$UPDATE (day.wt.r, month.wt.r, year.wt.r)
: 125 0187 1
: 126 0188 1 FORMAL PARAMETERS:
: 127 0189 1
: 128 0190 1 day address of 2 character string to receive
: 129 0191 1 current day of the month
: 130 0192 1
: 131 0193 1 month address of 2 character string to receive
: 132 0194 1 current month number
: 133 0195 1
: 134 0196 1 year address of 2 character string to receive
: 135 0197 1 current year
: 136 0198 1
: 137 0199 1
: 138 0200 1 IMPLICIT INPUTS:
: 139 0201 1
: 140 0202 1 RPG$UPDATE - logical name which may have the date
: 141 0203 1 specified in it
: 142 0204 1
: 143 0205 1 IMPLICIT OUTPUTS:
: 144 0206 1
: 145 0207 1 NONE
: 146 0208 1
: 147 0209 1 COMPLETION CODES:
: 148 0210 1
: 149 0211 1 NONE
: 150 0212 1
: 151 0213 1 SIDE EFFECTS:
: 152 0214 1
: 153 0215 1 Errors will be signalled if the date specified in RPG$UPDATE
: 154 0216 1 is incorrectly specified or if there is an error in the
: 155 0217 1 translation of the logical.
: 156 0218 1
```

RPG\$UPDATE  
1-002

: 157  
: 158  
: 159  
: 160

Support UPDATE, UDAY, UMONTH, UYEAR special word  
RPG\$UPDATE - Support UPDATE, UDAY, UMONTH, UYEAR

E 5

16-Sep-1984 02:19:50  
14-Sep-1984 13:04:26

VAX-11 Bliss-32 V4.0-742  
[RPGRTL.SRC]RPGUPDATE.B32;1

Page 4  
(3)

0219 1 !--  
0220 1 !  
0221 1 !  
0222 1 !<BLF/PAGE>

RPG  
Syn  
RPG  
RPG  
RPG  
RPG  
RPG  
RPG  
RPG  
RPG  
RPG  
RPG  
RPG

PSE  
---  
\$RF

Pha  
---  
Ini  
Com  
Pas  
Syn  
Pas  
Syn  
Pse  
Cro  
Ass

The  
222  
The  
141  
1

Mac  
---  
\_S  
0  
The  
MA



```
162 0223 1
163 0224 2 BEGIN
164 0225 2
165 0226 2 LOCAL
166 0227 2 DASH_PTR, ! Pointer to 1st dash
167 0228 2 DEST_DESC: BLOCK [8, BYTE], ! Local desc for call to $TRNLOG
168 0229 2 DIFF, ! Size of year part
169 0230 2 END_PTR, ! Pointer past end of logical name string
170 0231 2 LOG_DESC: BLOCK [8, BYTE], ! Local desc for call to $TRNLOG
171 0232 2 MONTH_FOUND: BYTE INITIAL(0), ! Indicator of valid month
172 0233 2 MONTH_TEXT: VECTOR [3, BYTE], ! Local string for uppercase month
173 0234 2 NAME_LENGTH, ! Length of logical name string
174 0235 2 NAME_TEXT: VECTOR [LNMSC_NAMLENGTH, BYTE], ! Local string for logical name
175 0236 2 RET_STATUS; ! Return status
176 0237 2
177 0238 2 BIND
178 0239 2 MONTHNAME = UPLIT(
179 0240 2 'JANFEBMARAPRMAYJUNJULAUGSEPOCTNOVDEC'), ! Month names
180 0241 2
181 0242 2 MONTHNUM = UPLIT(
182 0243 2 '010203040506070809101112'), ! Month numbers
183 0244 2
184 0245 2 P_DASH = UPLIT ('-');
185 0246 2 P_ZERO = UPLIT ('0');
186 0247 2
187 0248 2 !+
188 0249 2 Initialize descriptors for call to $TRNLOG.
189 0250 2
190 0251 2 !-
191 0252 2 DEST_DESC[DSC$W_LENGTH] = LNMSC_NAMLENGTH;
192 0253 2 DEST_DESC[DSC$B_CLASS] = DSC$K_CLASS_S;
193 0254 2 DEST_DESC[DSC$B_DTYPE] = DSC$K_DTYPE_T;
194 0255 2 DEST_DESC[DSC$A_POINTER] = NAME_TEXT;
195 0256 2
196 0257 2 LOG_DESC[DSC$W_LENGTH] = %CHARCOUNT ('RPG$UPDATE');
197 0258 2 LOG_DESC[DSC$B_CLASS] = DSC$K_CLASS_S;
198 0259 2 LOG_DESC[DSC$B_DTYPE] = DSC$K_DTYPE_T;
199 0260 2 LOG_DESC[DSC$A_POINTER] = UPLIT ('RPG$UPDATE');
200 0261 2
201 0262 2 !+
202 0263 2 Try to translate the logical name RPG$UPDATE.
203 0264 2
204 0265 2 !-
205 0266 2 RET_STATUS = $TRNLOG (LOGNAM = LOG_DESC, RSLLEN = NAME_LENGTH, RSLBUF = DEST_DESC);
206 0267 2
207 0268 2 IF RET_STATUS EQL SS$NORMAL
208 0269 2 THEN
209 0270 2 !+
210 0271 2 Logical name translated - use date specified ('dd-mmm-yyyy').
211 0272 2
212 0273 2 !-
213 0274 2 BEGIN ! Logical translated
214 0275 2
215 0276 2 IF CH$FAIL (DASH_PTR = CH$FIND_CH (
216 0277 2 2, ! Find first dash in date
217 0278 2 ! Should be in 2nd or 3rd
218 0279 2
```



```
219 0280 3 .DEST_DESC[DSC$A_POINTER]+1, ! position only
220 0281 3 %C'-')
221 0282 3 THEN
222 0283 3 LIB$STOP (RPG$_INVDATE)
223 0284 3 ELSE
224 0285 3 +
225 0286 3 Found first dash, now process day part of date.
226 0287 3 -
227 0288 3 BEGIN ! Found 1st dash
228 0289 3
229 0290 4
230 0291 4
231 0292 4 LOCAL
232 0293 4 DEST2_DESC: BLOCK [8, BYTE]; ! Local desc for call to STR$UPCASE
233 0294 4
234 0295 4 IF CH$DIFF (.DASH_PTR, .DEST_DESC[DSC$A_POINTER]) EQL %CHARCOUNT ('d')
235 0296 4 THEN
236 0297 4 +
237 0298 4 Day part is only one character,
238 0299 4 so must pad with a leading zero.
239 0300 4 -
240 0301 4 BEGIN
241 0302 4
242 0303 5 CH$MOVE (1, P_ZERO, .DAY);
243 0304 5 CH$MOVE (1, .DEST_DESC[DSC$A_POINTER], .DAY+1);
244 0305 5
245 0306 5 END
246 0307 5 ELSE
247 0308 5 CH$MOVE (2, .DEST_DESC[DSC$A_POINTER], .DAY);
248 0309 5 +
249 0310 5 Process year part of date.
250 0311 5 DASH_PTR still points to 1st dash (-mmm-yyyy).
251 0312 5 -
252 0313 5 IF CH$EQL (1, P_DASH, 1, .DASH_PTR+4)
253 0314 5 THEN
254 0315 5 +
255 0316 5 Found second dash, now determine how
256 0317 5 many characters in year part of date.
257 0318 5 -
258 0319 5 BEGIN ! Found 2nd dash
259 0320 5
260 0321 5 END_PTR = .DEST_DESC[DSC$A_POINTER] + .NAME_LENGTH;
261 0322 5 DIFF = CH$DIFF (.END_PTR, .DASH_PTR+5);
262 0323 5 IF .DIFF GTR %CHARCOUNT ('y')
263 0324 5 THEN
264 0325 5 +
265 0326 5 Correctly specified year part (at least 2 chars).
266 0327 5 -
267 0328 5 CH$MOVE (2, .END_PTR-2, .YEAR)
268 0329 5
269 0330 5
270 0331 5
271 0332 5
272 0333 5
273 0334 5
274 0335 5
275 0336 5
```



```
276      0337 5      ELSE
277      0338 5      IF .DIFF EQL %CHARCOUNT ('y')
278      0339 5      THEN
279      0340 6      BEGIN
280      0341 6      +
281      0342 6      |
282      0343 6      |   Year part is only one character,
283      0344 6      |   so must pad with leading zero.
284      0345 6      |
285      0346 6      |
286      0347 6      |   CH$MOVE (1, P_ZERO, .YEAR);
287      0348 6      |   CH$MOVE (1, .END_PTR-1, .YEAR+1);
288      0349 6      |
289      0350 6      END
290      0351 5      ELSE
291      0352 5      LIB$STOP (RPG$_INVUDATE);
292      0353 5
293      0354 5      END
294      0355 5      ! Found 2nd dash
295      0356 4      ELSE
296      0357 4      LIB$STOP (RPG$_INVUDATE);
297      0358 4
298      0359 4      +
299      0360 4      |
300      0361 4      |   Process month part of date.
301      0362 4      |   DASH_PTR still points to 1st dash (-mmm-yyyy).
302      0363 4      |
303      0364 4      |
304      0365 4      |   DEST_DESC[DSC$_LENGTH] = %CHARCOUNT ('mmm');
305      0366 4      |   DEST_DESC[DSC$_POINTER] = .DASH_PTR + 1;
306      0367 4      |   DEST2_DESC[DSC$_LENGTH] = %CHARCOUNT ('mmm');
307      0368 4      |   DEST2_DESC[DSC$_CLASS] = DSC$_CLASS_S;
308      0369 4      |   DEST2_DESC[DSC$_DTYPE] = DSC$_DTYPE_T;
309      0370 4      |   DEST2_DESC[DSC$_POINTER] = MONTH_TEXT;
310      0371 4      |
311      0372 4      |   +
312      0373 4      |   |   Change month specified to uppercase for matching.
313      0374 5      |   IF NOT (STR$UPCASE (DEST2_DESC, DEST_DESC))
314      0375 4      |   THEN
315      0376 4      |   |   LIB$STOP (RPG$_FATINTERR);
316      0377 4      |
317      0378 4      |   INCR I FROM 0 TO 11 DO
318      0379 5      |   |   BEGIN
319      0380 5      |   |   +
320      0381 5      |   |   |   Search for character match in table
321      0382 5      |   |   |   and convert to numerical equivalent.
322      0383 5      |   |   |
323      0384 5      |   |   |
324      0385 5      |   |   |
325      0386 5      |   |   |   IF CH$EQL (3, CH$PTR (MONTHNAME, .I*3), 3, .DEST2_DESC[DSC$_POINTER])
326      0387 5      |   |   |   THEN
327      0388 6      |   |   |   BEGIN
328      0389 6      |   |   |   |   CH$MOVE (2, CH$PTR (MONTHNUM, .I*2), .MONTH);
329      0390 6      |   |   |   |   MONTH_FOUND = 1;
330      0391 6      |   |   |   |   EXITLOOP;
331      0392 6      |   |   |
332      0393 6      |   |   |
```

RPGSUPDATE  
1-002

Support UDATE, UDAY, UMONTH, UYEAR special word 16-Sep-1984 02:19:50  
RPGSUPDATE - Support UDATE, UDAY, UMONTH, UYEAR 14-Sep-1984 13:04:26

VAX-11 Bliss-32 V4.0-742  
[RPGRTL.SRC]RPGUPDATE.B32;1

Page 8  
(4)

```

333      0394 5      END;
334      0395 5
335      0396 4      END;
336      0397 4      +
337      0398 4      -
338      0399 4      Make sure a match was found.
339      0400 4
340      0401 4      -
341      0402 4      IF NOT .MONTH_FOUND
342      0403 4      THEN
343      0404 4          LIB$STOP (RPG$_INVUPDATE);
344      0405 4
345      0406 3      END;
346      0407 3
347      0408 3      END
348      0409 2      ELSE
349      0410 2      +
350      0411 2      -
351      0412 2      Logical name did not translate - use current system date.
352      0413 2
353      0414 2      -
354      0415 3      BEGIN
355      0416 3
356      0417 3      IF .RET_STATUS EQL SS$_NOTRAN
357      0418 3      THEN
358      0419 4          BEGIN
359      0420 4
360      0421 4          COB$ACC_DATE (DEST_DESC);
361      0422 4          CH$MOVE (%CHARCOUNT ('yy'), .DEST_DESC[DSC$_POINTER], .YEAR);
362      0423 4          CH$MOVE (%CHARCOUNT ('mm'), .DEST_DESC[DSC$_POINTER]+2, .MONTH);
363      0424 4          CH$MOVE (%CHARCOUNT ('dd'), .DEST_DESC[DSC$_POINTER]+4, .DAY);
364      0425 4
365      0426 4      END
366      0427 3      ELSE
367      0428 3          LIB$STOP (.RET_STATUS);
368      0429 3
369      0430 2      END;
370      0431 2
371      0432 1      END;

```

```

;
.TITLE  RPG$UPDATE Support UDATE, UDAY, UMONTH, UYEAR sp
.IDENT  \1-002\
.PSECT  _RPG$CODE,NOWRT, SHR, PIC,2
59 41 4D 52 50 41 52 41 4D 42 45 46 4E 41 4A 00000 P.AAA: .ASCII \JANFEBMARAPR MAYJUNJULAUGSEPOCTNOVDEC\
54 43 4F 50 45 53 47 55 41 4C 55 4A 4E 55 4A 0000F
30 37 30 36 30 35 30 34 30 33 30 32 30 31 30 0001E
00 00 00 45 54 41 44 55 24 47 50 52 00024 P.AAB: .ASCII \010203040506070809101112\
00 00 00 00 00 00 00 2D 0003C P.AAC: .ASCII \-\<0><0><0>
00 00 00 00 00 00 00 30 00040 P.AAD: .ASCII \0\<0><0><0>
00 00 00 00 00 00 00 52 00044 P.AAE: .ASCII \RPG$UPDATE\<0><0><0>
MONTHNAME= P.AAA

```



|    |           |           |      | MONTHNUM= | P.AAB                        |        |                                        |      |
|----|-----------|-----------|------|-----------|------------------------------|--------|----------------------------------------|------|
|    |           |           |      | P_DASH=   | P.AAC                        |        |                                        |      |
|    |           |           |      | P_ZERO=   | P.AAD                        |        |                                        |      |
|    |           |           |      | .EXTRN    | COB\$ACC DATE, LIB\$STOP     |        |                                        |      |
|    |           |           |      | .EXTRN    | STR\$UPCASE, RPG\$ FATINTERR |        |                                        |      |
|    |           |           |      | .EXTRN    | RPG\$ INVUDATE, SYS\$TRNLOG  |        |                                        |      |
|    |           |           |      | 01FC      | 00000                        | .ENTRY | RPG\$UPDATE, Save R2,R3,R4,R5,R6,R7,R8 | 0163 |
|    | 58        | 00000000G | 8F   | D0        | 00002                        | MOVL   | #RPG\$ INVUDATE, R8                    |      |
|    | 57        | E4        | AF   | 9E        | 00009                        | MOVAB  | P_ZERO, R7                             |      |
|    | 56        | 00000000G | 00   | 9E        | 0000D                        | MOVAB  | LIB\$STOP, R6                          |      |
|    | 5E        | FEE0      | CE   | 9E        | 00014                        | MOVAB  | -288(SP), SP                           |      |
|    |           |           | 55   | 94        | 00019                        | CLRB   | MONTH FOUND                            | 0224 |
| F8 | AD        | 010E00FF  | 8F   | D0        | 0001B                        | MOVL   | #17694975, DEST_DESC                   | 0253 |
| FC | AD        | 10        | AE   | 9E        | 00023                        | MOVAB  | NAME TEXT, DEST_DESC+4                 | 0256 |
| F0 | AD        | 010E0009  | 8F   | D0        | 00028                        | MOVL   | #17694729, LOG_DESC                    | 0258 |
| F4 | AD        | 04        | A7   | 9E        | 00030                        | MOVAB  | P.AAE, LOG_DESC+4                      | 0261 |
|    |           |           | 7E   | 7C        | 00035                        | CLRQ   | -(SP)                                  | 0268 |
|    |           |           | 7E   | D4        | 00037                        | CLRL   | -(SP)                                  |      |
|    |           |           | F8   | AD        | 9F                           | PUSHAB | DEST_DESC                              |      |
|    |           |           | 10   | AE        | 9F                           | PUSHAB | NAME_LENGTH                            |      |
|    |           |           | F0   | AD        | 9F                           | PUSHAB | LOG_DESC                               |      |
|    | 00000000G | 00        | 06   | FB        | 00042                        | CALLS  | #6, SYS\$TRNLOG                        |      |
|    |           | 01        | 50   | D1        | 00049                        | CMPL   | RET_STATUS, #1                         | 0269 |
|    |           |           | 03   | 13        | 0004C                        | BEQL   | 1\$                                    |      |
|    |           |           | 00BA | 31        | 0004E                        | BRW    | 15\$                                   |      |
|    | 52        |           | AD   | D0        | 00051                        | MOVL   | DEST_DESC+4, R2                        | 0280 |
| 01 | A2        | 02        | 2D   | 3A        | 00055                        | LOCC   | #45, #2, 1(R2)                         | 0278 |
|    |           |           | 02   | 12        | 0005A                        | BNEQ   | 2\$                                    |      |
|    |           |           | 51   | D4        | 0005C                        | CLRL   | R1                                     |      |
|    | 53        |           | 51   | D0        | 0005E                        | MOVL   | R1, DASH_PTR                           |      |
|    |           |           | 05   | 12        | 00061                        | BNEQ   | 4\$                                    | 0281 |
|    |           |           | 58   | DD        | 00063                        | PUSHL  | R8                                     | 0283 |
|    |           |           | 00CB | 31        | 00065                        | BRW    | 17\$                                   |      |
|    | 50        |           | A2   | 9E        | 00068                        | MOVAB  | 1(R2), R0                              | 0295 |
|    | 50        |           | 53   | D1        | 0006C                        | CMPL   | DASH_PTR, R0                           |      |
|    |           |           | 0E   | 12        | 0006F                        | BNEQ   | 5\$                                    |      |
| 04 | BC        |           | 67   | 90        | 00071                        | MOVB   | P_ZERO, @DAY                           | 0305 |
|    | 50        |           | AC   | D0        | 00075                        | MOVL   | DAY, R0                                |      |
| 01 | A0        |           | 62   | 90        | 00079                        | MOVB   | (R2), 1(R0)                            | 0306 |
|    |           |           | 04   | 11        | 0007D                        | BRB    | 6\$                                    | 0295 |
| 04 | BC        |           | 62   | B0        | 0007F                        | MOVW   | (R2), @DAY                             | 0310 |
| 04 | A3        |           | A7   | 91        | 00083                        | CMPB   | P_DASH, 4(DASH_PTR)                    | 0317 |
|    |           |           | 28   | 12        | 00088                        | BNEQ   | 8\$                                    |      |
|    | 52        |           | 6E   | C1        | 0008A                        | ADDL3  | NAME_LENGTH, R2, END_PTR               | 0327 |
|    | 50        |           | 53   | C3        | 0008E                        | SUBL3  | DASH_PTR, END_PTR, RT                  | 0328 |
|    | 51        |           | 05   | C2        | 00092                        | SUBL2  | #5, DIFF                               |      |
|    | 01        |           | 51   | D1        | 00095                        | CMPL   | DIFF, #1                               | 0329 |
|    |           |           | 07   | 15        | 00098                        | BLEQ   | 7\$                                    |      |
| 0C | BC        |           | A0   | B0        | 0009A                        | MOVW   | -2(END_PTR), @YEAR                     | 0336 |
|    |           |           | 16   | 11        | 0009F                        | BRB    | 9\$                                    |      |
|    |           |           | 0F   | 12        | 000A1                        | BNEQ   | 8\$                                    | 0338 |
|    | 52        |           | 67   | 90        | 000A3                        | MOVB   | P_ZERO, @YEAR                          | 0347 |
| 0C | BC        |           | AC   | D0        | 000A7                        | MOVL   | YEAR, R1                               |      |
|    | 51        |           | A0   | 90        | 000AB                        | MOVB   | -1(END_PTR), 1(R1)                     | 0348 |
| 01 | A1        |           | 05   | 11        | 000B0                        | BRB    | 9\$                                    | 0338 |
|    |           |           | 58   | DD        | 000B2                        | PUSHL  | R8                                     | 0357 |

|           |      |    |       |          |        |                                  |   |      |
|-----------|------|----|-------|----------|--------|----------------------------------|---|------|
| FB        | AD   | 01 | FB    | 000B4    | CALLS  | #1, LIB\$STOP                    | : |      |
| FC        | AD   | 03 | B0    | 000B7    | MOVW   | #3, DEST_DESC                    | : | 0365 |
| 08        | AE   | 01 | A3    | 9E 000BB | MOVAB  | 1(R3), DEST_DESC+4               | : | 0366 |
| OC        | AE   | 03 | 8F    | D0 000C0 | MOVL   | #17694723, DEST2_DESC            | : | 0367 |
|           |      | 04 | AE    | 9E 000C8 | MOVAB  | MONTH_TEXT, DEST2_DESC+4         | : | 0370 |
|           |      | FB | AD    | 9F 000CD | PUSHAB | DEST_DESC                        | : | 0374 |
|           |      | OC | AE    | 9F 000D0 | PUSHAB | DEST2_DESC                       | : |      |
| 00000000G | 00   | 02 | FB    | 000D3    | CALLS  | #2, STR\$UPCASE                  | : |      |
|           | 09   | 50 | E8    | 000DA    | BLBS   | R0, 10\$                         | : |      |
|           | 66   | 8F | DD    | 000DD    | PUSHL  | #RPG\$FATINTERR                  | : | 0376 |
|           |      | 01 | FB    | 000E3    | CALLS  | #1, LIB\$STOP                    | : |      |
|           |      | 54 | D4    | 000E6    | CLRL   | I                                | : | 0386 |
| OC        | 50   | 03 | C5    | 000E8    | MULL3  | #3, I, R0                        | : |      |
| BE        | CO   | 03 | 29    | 000EC    | CMFC3  | #3, MONTHNAME[R0], @DEST2_DESC+4 | : |      |
|           | A740 | 0B | 12    | 000F3    | BNEQ   | 12\$                             | : |      |
|           |      | 08 | BC    | E4 A744  | MOVW   | MONTHNUM[I], @MONTH              | : | 0390 |
|           |      | 55 | 01    | 90 000FB | MOVB   | #1, MONTH_FOUND                  | : | 0391 |
|           |      |    | 04    | 11 000FE | BRB    | 13\$                             | : | 0388 |
| E4        |      | 54 | 0B    | F3 00100 | AOBLEQ | #11, I, 11\$                     | : | 0378 |
|           |      | 03 | 55    | E8 00104 | BLBS   | MONTH_FOUND, 14\$                | : | 0402 |
|           |      |    | FF59  | 31 00107 | BRW    | 3\$                              | : |      |
|           |      |    | 04    | 0010A    | RET    |                                  | : | 0404 |
| 00000629  | 8F   | 50 | D1    | 0010B    | CMPL   | RET_STATUS, #1577                | : | 0417 |
|           |      | 1D | 12    | 00112    | BNEQ   | 16\$                             | : |      |
|           |      | FB | AD    | 9F 00114 | PUSHAB | DEST_DESC                        | : | 0421 |
| 00000000G | 00   | 01 | FB    | 00117    | CALLS  | #1, COB\$ACC_DATE                | : |      |
|           | 50   | FC | AD    | D0 0011E | MOVL   | DEST_DESC+4, R0                  | : | 0422 |
|           | OC   | 60 | B0    | 00122    | MOVW   | (R0), @YEAR                      | : |      |
|           | 08   | 02 | A0    | B0 00126 | MOVW   | 2(R0), @MONTH                    | : | 0423 |
|           | 04   | 04 | A0    | B0 0012B | MOVW   | 4(R0), @DAY                      | : | 0424 |
|           |      |    | 04    | 00130    | RET    |                                  | : | 0417 |
|           |      | 50 | DD    | 00131    | PUSHL  | RET_STATUS                       | : | 0428 |
|           | 66   | 01 | FB    | 00133    | CALLS  | #1, LIB\$STOP                    | : |      |
|           |      | 04 | 00136 | RET      |        |                                  | : | 0432 |

; Routine Size: 311 bytes, Routine Base: \_RPG\$CODE + 0050

: 372 0433 1  
: 373 0434 0 END ELUDOM

## PSECT SUMMARY

|            |       |                                                         |
|------------|-------|---------------------------------------------------------|
| Name       | Bytes | Attributes                                              |
| _RPG\$CODE | 391   | NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2) |

## Library Statistics



RPG\$UPDATE  
1-002

Support UPDATE, UDAY, UMONTH, UYEAR special word 16-Sep-1984 02:19:50  
RPG\$UPDATE - Support UPDATE, UDAY, UMONTH, UYEAR 14-Sep-1984 13:04:26

VAX-11 Bliss-32 V4.0-742  
[RPGRTL.SRC]RPGUPDATE.B32;1

Page 11  
(4)

| File                                   | -----<br>Total | Symbols<br>Loaded | -----<br>Percent | Pages<br>Mapped | Processing<br>Time |
|----------------------------------------|----------------|-------------------|------------------|-----------------|--------------------|
| ;\$255\$DUA28:[SYSLIB]STARLET.L32;1    | 9776           | 12                | 0                | 581             | 00:01.0            |
| ;\$255\$DUA28:[RPGRTL.OBJ]RPGLIB.L32;1 | 54             | 0                 | 0                | 9               | 00:00.1            |

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACE/LIS=LIS\$:RPGUPDATE/OBJ=OBJ\$:RPGUPDATE MSRC\$:RPGUPDATE/UPDATE=(ENHS\$:RPGUPDATE)

; Size: 311 code + 80 data bytes  
; Run Time: 00:08.5  
; Elapsed Time: 00:27.1  
; Lines/CPU Min: 3059  
; Lexemes/CPU-Min: 14044  
; Memory Used: 130 pages  
; Compilation Complete



0332 AH-BT13A-SE  
VAX/VMS V4.0

DIGITAL EQUIPMENT CORPORATION  
CONFIDENTIAL AND PROPRIETARY

